

MRD378-REV METADATA

GENERAL INFORMATION

Title

Geological, Geochemical and Geophysical Data Related to Penhorwood and Kenogaming Townships, Northern Swayze Area, Abitibi Greenstone Belt, Northeastern Ontario

Alternate Title

MRD378-REV

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Date of Publication

October 1, 2021

Abstract

This digital data release contains field data, field photographs, whole-rock geochemical data, geochronology information, and magnetic susceptibility data related to 1:20,000 scale mapping of Penhorwood and Kenogaming townships, northeastern Swayze area (Project NE-18-003) collected during the 2018 and 2019 summer field seasons. This revision provides an additional 21 element analyses for 140 samples and omits unreliable Rh data. Also included are previously published *Summary of Field Work and Other Activities* articles related to the project. This release comprises 192 photographs (as .jpg files), 8 Microsoft® Excel® for Office 365 (.xlsx) workbook files and 9 documents in portable document format (.pdf). These data augment Preliminary Maps P.3841, *Precambrian Geology of Kenogaming Township, Northern Swayze Area, Abitibi Greenstone Belt, Northeastern Ontario*, and P.3842, *Precambrian Geology of Penhorwood Township, Northern Swayze Area, Abitibi Greenstone Belt, Northeastern Ontario*; the geological legend for the maps is also provided.

The following publications are associated with this publication: MRD378, P3841, P3842.

Additional information can be found within a readme file provided with the product.

Purpose or Objective

The 1:20,000 scale geological bedrock mapping of Penhorwood and Kenogaming townships is part of a multiyear project to re-examine the geology of the northeastern Swayze area of the Abitibi greenstone belt. The objectives of the 2018–2019 bedrock mapping were to 1) re-examine and update bedrock geology maps in the area; 2) correlate the chronostratigraphic episodes (assemblages) of the northeast Swayze area with the rest of the Abitibi greenstone belt using lithogeochemistry and U/Pb geochronology; 3) identify structural features within the area that could represent the western extension of the Porcupine–Destor deformation zone; and 4) identify geologically favourable areas for mineral exploration.

The Penhorwood and Kenogaming townships area maps are the first two of four 1:20,000 scale maps produced in the northeastern Swayze area. The other 2 maps cover Reeves and Sewell townships, OGS Maps P.3847 and P.3848, respectively.

The objective of this product is to collect and disseminate geoscience information for Ontario.

Keywords

Geological Survey
Geology
Ministry of Northern Development, Mines, Natural Resources and Forestry
NDMNRF
Ontario Geological Survey
OGS
Miscellaneous Release—Data
MRD
Bedrock Geology, General
Field Data
Lithogeochemistry
Geophysics, General
Abitibi Subprovince (Geological)
Archean Bedrock Geology
Geochronology

Business Themes

Geological Survey
Geology

GEOGRAPHIC INFORMATION

Geographic bounding box (decimal degrees)

North bounding latitude:	48.1905°
West bounding longitude:	-82.2111°
East bounding longitude:	-81.8436°
South bounding latitude:	48.0591°

Description of Completeness: irregularly shaped study area - completeness not available

MAPPING INFORMATION:

Grid Coordinate System Used:	Universal Transverse Mercator
Map Projection:	Transverse Mercator
Horizontal Geodetic Datum:	NAD83
Vertical Datum:	Not Applicable
Horizontal Position Accuracy of Features:	Precise ±5 m
Vertical Position Accuracy of Features:	Not Applicable

DATA SOURCE INFORMATION

Data Source Type and Description

Includes Bibliographic Information: Product includes references to other sources of information

Data Source Type and Description

Direct Field Collection: Field work (bedrock mapping) conducted from May to August 2018 and from May to June 2019.

Current Status of the Data: Complete

Frequency of Changes or Additions to be made to the Data: Not Planned

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Vice, L.E.D. and MacDonald, P.J. 2021. Geological, geochemical and geophysical data related to Penhorwood and Kenogaming townships, northern Swayze area, Abitibi greenstone belt, northeastern Ontario; Ontario Geological Survey, Miscellaneous Release—Data 378 – Revised. ISBN 978-1-4868-5476-9 (CD) ISBN 978-1-4868-5477-6 (zip file)

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The Language in which Data are Distributed: English

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METADATA

Date of this Metadata Description: October 1, 2021